



BRITISH COLUMBIA AVIATION COUNCIL

presents

## MAY CONFERENCE 2022

*"Beyond COVID: A Focus on Sustainability, Technology and Opportunities"*

**MAY 15-17, 2022**

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## MAY CONFERENCE 2022

AGENDA – MAY 16, 2022

### What's It All About?

The aviation industry has survived one of its toughest challenges yet with the worldwide COVID-19 pandemic. Virtually no sector escaped the human and financial stresses of the past two years, with air traffic grinding to a halt. Furloughed staff, parked aircraft, shrinking maintenance and manufacturing demand spoke volumes about the state of the industry.

From this bleak picture emerges a rebounding industry to meet the demands of air travel—with strength and passion. As all sectors rush away the cobwebs and resume operations, it's an opportune time to focus on the issues of today and the future. Out of necessity, these issues had been put “on hold”. New power plant technology, more efficient operating and maintenance procedures, sustainable fuels, and reduced airtime (thanks to space-based navigation) are coming down the runway. Airports are looking at systems and procedures to improve aircraft handling by reducing taxi times and gate turnarounds while updating ground handling equipment with more environmentally friendly support systems. In short, climate change, emerging technologies, and new fuels amid an ever-changing landscape of day-to-day challenges are the subjects of today and tomorrow.

If we rise to this challenge and turn it into an opportunity, aviation will be on course to be a leading industry in the reduction of carbon emissions and environmental impacts. If not, we risk serious backlash.

Please join us as our panellists and speakers explore the current and future initiatives. See what's here today and what lies ahead.

### Housekeeping

Inn at Laurel Point, 680 Montréal Street, Victoria, B.C. V8V 1Z8    1-250-386-8721 or 1-800-663-7667

### [Conference Details](#)

Business Attire

# PROGRAM AGENDA

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## SUNDAY, MAY 15, 2022

### **18:00 - 20:00 WELCOME RECEPTION – SUPPORTING SCHOLARSHIP OUTDOOR TERRACE, LAUREL POINT**

Please join us as we meet new friends and renew old acquaintances in this prelude to Monday's kick-off events. Substantial appetizers and a no-host bar will be available. The high-end online travel raffle, 50/50 draw and online auction in support of the BC Aviation Council's \$70,000 annual scholarship program and other initiatives will be running from May 1st. The raffle and draw will close at noon on the closing day of the conference with the online auction closing at 18:00.

We have invited the Esquimalt First Nation to welcome guests to our conference, continuing a long-standing tradition recognizing the growing synergies between aviation and British Columbia's Indigenous peoples.

Heather McCarley, Chair, BC Aviation Council

Mark Duncan, Past Chair, BC Aviation Council & Chair, BCAC Scholarship Endowment Committee

Sandra Stoddart-Hansen, Past Chair, BC Aviation Council & Member, BCAC Scholarship Endowment Committee

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## MONDAY, MAY 16, 2022

### **06:30 MORNING WALK**

Join our Chair, Heather McCarley, for an early morning stroll to whet your appetite. Meet at the hotel registration desk at 6:30 am sharp.

### **07:30 BREAKFAST**

It's a beautiful venue to greet the day. Take your morning coffee on the terrace overlooking Victoria's Inner Harbour, Canada's only certified water airport. Watch as Harbour Air's turbine-powered Otters and Twin Otters take flight for Vancouver and other BC coastal communities.

### **08:30 WELCOME TO BCAC's 2022 CONFERENCE!**

The BC Aviation Council was founded in 1938 to provide support and representation for the province's fledging aviation and aerospace industries. The event was so remarkable and forward-thinking in those days, that the federal Department of Transportation sent its then Director of Civil Aeronautics to attend the Council's first meeting, which was held in Chilliwack. According to sketchy records of the day, it took the Director six days by train to travel from Ottawa to Vancouver for this inaugural meeting. Today, that same trip is just over four hours by air. As of yesteryear, the Council continues to focus on the issues of the day, and hence this year's theme: "Beyond COVID: A Focus on Sustainability, Technology and Opportunities" does exactly that.

Heather McCarley, Chair, BC Aviation Council

James Hall, Emcee, Past YLW Conference Chair

**08:45 OVERVIEW FROM NAV CANADA’S VANCOUVER FLIGHT INFORMATION REGION (FIR)**

Anik will be providing a general view of NAV CANADA’s strategic direction, along with a brief review of the topics covered at NAV CANADA virtual Vancouver FIR AOCM, some of which is covered in this morning’s topics.

Anik Bertrand, General Manager, Vancouver FIR, NAV CANADA

**09:00 PANEL 1 – BC WILDFIRE MANAGEMENT (Virtual and In-person)**

British Columbia (and many other areas in the world) has been hit hard by wildfires in the past few years. Villages and towns have been consumed without-of-control blazes. Thousands of acres of prime forest lands were destroyed, and people and livestock threatened. The fires are a major management activity for government, airports, air operators and NAV CANADA to manage, minimizing the threats to people, terrain, and the environment. With so many players involved, coordination and teamwork are essential to respond and control the fires. This panel brings together for the first time all the key players: BC Wildfire Service, NAV CANADA, Transport Canada, airports, air operators and aerial firefighting operators to discuss the challenges, strategies, and outcomes of managing these increasing, seasonal threats.

Thomas Urbanovitch, Shift Manager, Vancouver ACC, NAV CANADA

Danielle Rehm, Technical Team Lead-Flight Operations Standards, Civil Aviation, Transport Canada

Mark Gallant, Director, Flight Operations, Conair, Aerial Fire Fighting Operator

Rob Keen, Regional Air Branch Coordinator, Coastal Fire Centre, BC Wildfire Service

Bryce Moreira, Senior Wildfire Officer, Aviation, BC Wildfire Service

Ed Ratuski, Managing Director, Kamloops Airport, Vantage Airport Group

Matthew Stacy, Operations, Jazz Aviation (Virtual)

**Moderator:** Cathy Press, CEO and Owner, Chinook Helicopters and Vice-Chair BC Aviation Council

**10:00 COFFEE**

**10:30 ADS-B – THE MOVE TO SPACE-BASED AIR NAVIGATION (Virtual)**

Advances in technology, computer chips and reliable space-based satellites are changing the fundamental ways in which aircraft navigate. Cutting the umbilical cord tethered to ground-based navigation aids is an ongoing and rapidly advancing move to space-based navigation. With the commissioning of NAV CANADA’s Aireon satellite array, Canada’s Air Navigation System is advancing rapidly. ADS-B is now migrating from its original introduction on the North Atlantic Trans-Oceanic Routes to mainland Canada. This session provides details of the current and future implementation of this space-based navigation system.

Noel Dwyer, National Manager, ATS Standards Delivery, NAV CANADA (Virtual)

**11:00 VANCOUVER AIRSPACE MANAGEMENT PROJECT (VAMP) (Virtual)**

The airspace surrounding Vancouver is said to be the most complex in Canada. Mountains to the north, ocean to the west, the US Border to the south and highly active airspace to the east. Throwing in a mix of large and small aircraft, helicopters and floatplanes flying under both instrument and visual flight rules adds to the complexities of managing traffic in this geographically-challenged region. Accordingly, reviewing and

amending the airspace structure and ATC procedures when necessary is an important process in managing the Vancouver Flight Information Region. NAV CANADA will update us on the Vancouver Airspace Management

Project (VAMP) focused on traffic, airspace, and procedures, with a view to looking at options to make flight into and out of the area even more safe and efficient.

Fred Gagnon, NAV CANADA (Virtual)

### **11:30 AVIATION ENVIRONMENTAL REGULATIONS, POLICIES AND PROCEDURES**

With a worldwide movement focussed on protecting the earth's environment, industry and government are working together to reduce aviation's carbon footprint. To achieve concrete results, regulations, policies, and procedures need to keep abreast of new technology to provide the framework to bring new, environmentally friendly aircraft and power plants to market. Jamie Johnson, Transport Canada's Regional Director, Civil Aviation, Pacific Region will discuss the ongoing and pending changes to the regulatory framework to support changing technologies.

Jamie Johnson, Regional Director, Transport Canada, Civil Aviation, Pacific Region

### **12:00 VICTORIA INTERNATIONAL AIRPORT LUNCH**

Victoria International Airport (YYJ) is this year's extremely supportive and engaged host airport. The Conference Committee is led by Lars Olsson, Director, Airside Operations and safety, with the assistance of Sarah Venn, Administration Operations Officer.

### **12:30 HOST AIRPORT WELCOMING REMARKS**

Each year, one of BC's airports hosts the BCAC May Conference, providing human and financial support to plan, organize and deliver the event. This year, Victoria International Airport (YYJ) is the proud host of the conference. Geoff Dickson, President and CEO of YYJ, will provide welcoming remarks to launch us into the Conference's main themes. YYJ received the BCAC Environmental Award in 2019 and one of the twelve largest airports in Canada.

Geoff Dickson, President and CEO, Victoria International Airport

### **13:10 FIRESIDE CHAT**

Airport sustainability is currently front and centre. Vancouver International Airport (YVR) has just accelerated their plan to be carbon neutral by 2030. Airports throughout North America are facing pressure to do the same. We are pleased to have YVR and the Airports Council International-North America (ACI-NA) here for a candid conversation about the issues and opportunities.

Tamara Vrooman, CEO, Vancouver International Airport

Sam Samaddar, Chair, Airports Council International-North America

**Moderator:** Heather McCarley, Chair BCAC for Heather Bell, Past Chair, BC Aviation Council (Covid)

## **13:45 PANEL 2 – AVIATION AND THE ENVIRONMENT – THE URGENT CHALLENGE**

The issue is front and centre in the press and social media but what are the facts? What is the science at play in aviation's environmental impact? Defining the issues and related challenges is paramount to moving forward. Our panellists will discuss the facts on climate change, aviation's footprint on the environment, and what's ahead for airports and aircraft.

Dr. Andrew Weaver, Professor, School of Earth and Ocean Sciences, University of Victoria

Marcelo Garcia, Senior Director, InterVISTAS Consulting Inc.

Ken Gallant, Vice-President of Operations, Victoria International Airport (YYJ)

**Moderator:** Steve Michoulas, Founder, Michoulas Law (Real Estate, Aviation, Business) and Board Director, BC Aviation Council

## **14:45 PREMIUM COFFEE – HOSTED BY KELOWNA INTERNATIONAL AIRPORT (2025 Host Airport)**

## **15:10 PANEL 3 – POWER PLANTS AND FUELS OF THE FUTURE (Virtual and In-person)**

The “greening” of our industry is going to require the application of new technologies. This panel will highlight some of the power plant initiatives currently underway and planned for the future. Existing operator demand for change will also be explored plus look at current and future fuel options.

Tim Swail, Vice-President, Sales and Marketing-Regional Aviation & APU Products, Pratt & Whitney Canada

Dr. Val Miftakhov, Founder and CEO, ZeroAvia (Virtual)

Geoff Tauvette, Executive Director, Canadian Council for Sustainable Fuels

**Moderator:** Brant Arnold-Smith, Program Manager, Security & Emergency Management, Metro Vancouver and Board Director, BC Aviation Council

## **16:30 BREAK FOR THE DAY AND INFORMAL MEETINGS**

## **18:00 RECEPTION AND SIGNATURE DINNER**

Please join your fellow participants at our upscale Signature Dinner in the beautiful Terrace Ballroom at the Inn at Laurel Point. No-host bar. Entertainment provided.

Our guest speaker for the evening is *Greg McDougall, CEO, of Harbour Air*, to relate the story of the world's first electric-powered commercial De Havilland Beaver and its historic flight in 2019.

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## **TUESDAY, MAY 17th, 2022**

### **06:30 MORNING WALK**

Join Heather McCarley, Board Chair, for an early morning stroll to whet your appetite. Meet at the hotel registration desk at 6:30am sharp.

### **07:30 BUSH PILOT'S BREAKFAST – HOSTED BY HARBOUR AIR**

The traditional Bush Pilot's breakfast, generously sponsored by Harbour Air, is back! Take on some fuel for Day Two and a continuation of our discussion on aviation, aerospace and the environment. A hearty breakfast is a great start to another informative day. Harbour Air supports the Float Plane Endorsement Scholarship, BCAC's largest award, valued at \$25,000.

### **08:30 WAYPOINT 2050 REPORT: ACHIEVING NET ZERO BY 2050 (Virtual)**

New analysis outlines credible paths for the air transport sector to reach its updated long-term climate goal to hit net-zero carbon emissions in 2050. A combination of new technology, improvements in operations and infrastructure, and a shift to sustainable aviation fuels can help get the sector close to de-carbonization in 2050, with residual emissions being mitigated through market-based instruments such as carbon removal.

Haldane Dodd, Acting Executive Director of the Air Transport Action Group said, "comprehensive analysis shows that despite the goal being challenging, there are credible paths for global civil aviation to reach net-zero carbon by 2050. The [Waypoint 2050](#) report shows several scenarios, focusing on new technology options such as electric and hydrogen aircraft for the short-haul fleet, to a complete shift to sustainable aviation fuel for medium and long-haul operations. We have identified the building blocks needed and the scale of the challenge is substantial, but with supportive government policy and the backing of the energy sector, it can be done."

Haldane Dodd, Acting Executive Director, Air Transport Action Group, Geneva, Switzerland (Virtual)

### **09:15 PANEL 4 – RPAS (UNMANNED SYSTEMS/DRONES) (In-Person and Virtual)**

Remote Piloted Aircraft Systems (or drones as they are more commonly known) are bursting into the National Civil Air Transportation System (NCATS). Their application is limited only by the imagination. Even this early in their development, they're proving their worth in the oil and gas industry, real estate, law enforcement, power line maintenance, and medical deliveries, to name a few. With the promise of a minuscule footprint on the environment and a multitude of applications, it's an emerging technology that is quickly adapting to mainstream aviation. Our panellists will bring us up to date on the current and future of this dynamic evolution.

Michael Cohen, President, Aerial Evolution Association of Canada (Virtual)

Alan Chapman, Director, RPAS Traffic Management, NAV CANADA

Philip Reece, CEO, InDro Robotics, Salt Spring Island

**Moderator:** JR Hammond, Executive Director, Canadian Advanced Air Mobility Consortium (CAAM)

### **10:15 COFFEE BREAK**

### **10:45 eVTOL: A SOON-TO-BE REALITY**

Five years ago, or even two years ago, the idea of an electric-powered helicopter would have been the stuff of sci-fi movies. Fast-forward to today and Helijet is on the leading edge of developing eVTOL rotary-wing aircraft for the commercial market. As the champion of one of the most successful all-weather, scheduled rotary-wing

passenger services in the world, Danny Sitnam and his team are on the cusp of designing and building a viable e-powered helicopter for the future.

Danny Sitnam, President and CEO, Helijet International

### **11:15 BEYOND COVID – CLEANER, GREENER, LEANER, KEENER**

Our presenter has 35 years of experience in the airport industry and has completed strategic plans, master plans, and economic impact assessments at Canada's two largest airports, Toronto Pearson International and Vancouver International, amongst others. Mike currently works with nine global hub airports on improving business performance and has just completed the book *Strategic Airport Planning*, which explores a new approach to airport planning that better captures the complexities and velocity of change in our contemporary world.

Mike Brown, Honorary Senior Research Fellow, Imperial College, London, UK

### **11:45 LUNCH**

### **12:00 TRAVEL RAFFLE, 50/50 DRAW CLOSE**

### **12:45 PANEL 5: AVIATION, AIRPORTS, AEROSPACE AND THE NATIONAL ENVIRONMENTAL MOVEMENT**

Across Canada, engineering entities, manufacturers, operators, maintainers, airport operators, general aviation enthusiasts and a myriad of support industries are all approaching their activities with environmental impacts in mind. By necessity, all segments must address the issues of climate change together. We welcome the national associations to provide a national picture of what's happening from coast to coast.

Anthony Norejko, President and CEO, Canadian Business Aviation Association (CBAA)

Chris Phalen, Vice-President, Government and Industry Affairs, Canadian Airports Council (CAC)

Jim Ferrier, Director, Aviation Operations, Canadian Owners and Pilots Association (COPA)

Trevor Mitchell, President and CEO, Helicopter Association of Canada (HAC)

**Moderator:** Cathy Press, CEO and Owner, Chinook Helicopters and Vice-Chair, BC Aviation Council

### **14:15 IMPORTANCE OF SUSTAINABLE AVIATION TO BRITISH COLUMBIA**

The BC Aviation Council is very pleased to welcome Minister Fleming. Under his watch, the Council has seen an increased focus on aviation. With the Province playing a key role in matters such as medevac, fire suppression, emergency response, tourism, economic development, remote communities and indigenous relations, this attention to aviation is most welcome. Minister Fleming will be taking questions from the emcee and is available throughout the coffee break.

The Hon. Rob Fleming, Minister of Transportation and Infrastructure for British Columbia

### **14:40 COFFEE WITH THE MINISTER – HOSTED BY ABBOTSFORD INTERNATIONAL AIRPORT**

### **15:00 BUILDING A COMMON APPROACH ACROSS THE INDUSTRY**

Identifying a common approach and/or principles for reducing aviation's environmental impact could go a long way to achieving sustainable change on the ground and in the air. Our moderator will lead us through a discussion on developing guiding principles for air and ground operations in British Columbia.

**Moderator and Facilitator:** Anthony Norejko, President and CEO, Canadian Business Aviation Association

### **15:45 CONFERENCE WRAP UP AND CLOSING REMARKS**

Heather McCarley, Chair, BC Aviation Council

### **15:55 50/50 AND TRAVEL RAFFLE WINNERS ANNOUNCED**

### **17:00 INFORMAL GATHERING/DINNER**

For delegates and guests staying overnight, please join us at the Bard and Banker, 1022 Government Street. This is not an organized event – just a recommendation by the locals!

### **20:00 ONLINE AUCTION CLOSSES**

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## **THANK YOU FOR YOUR SUPPORT AND PARTICIPATION**

Questions? Concerns? Compliments? Please contact Dave Frank, Executive Director, BC Aviation Council at [dave@bcaviationcouncil.org](mailto:dave@bcaviationcouncil.org) or call 604-644-6426.

**SEE YOU MAY 2023 AS A GUEST OF THE PRINCE GEORGE AIRPORT**  
*(Probable Hybrid Conference on Importance of Aviation and Aerospace)*